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11 June 1958

REQUIREMENT: 1:100,000 Topographic Maps of the USSR

I. Statement of Priority

A first priority requirement exists for complete topographic coverage of the USSR at a 1:100,000 scale. These maps have been produced by the Soviets since 1945, and are based on Krassovski ellipsoid, Pulkova 1942 horizontal datum, and Kronstadt vertical datum.

COMMENT: This scale, with date and technical limitations, was selected over other scales and geodetic data by a joint CIA, Navy, Army, and Air agreement.

II. Justification

The acquisition of these maps will fill a basic intelligence gap on the USSR. They will:

- a. Provide for accurate positioning of targets in the USSR for use in guided-missile delivery and strategic and tactical bombing.
- b. Provide essential data for use in missile-guidance systems, e.g., compilation of radar return information for use in systems such as ATRAN/ERTIAL (combination of Automatic Terrain Recognition and Navigation and Inertial Guidance).
- c. Provide data essential to the location and surveillance of missile launching sites, and other high-priority location, analytic and surveillance requirements.
- d. Provide a basis for control and identification of aerial photographs in the event of aerial reconnaissance of the USSR.
- e. Provide the only complete and recent topographic coverage of the USSR useful for the purposes described above.

III. Targets

1. The Main Administration of Geodesy and Cartography (Glavnoye Upravleniye Geodezii i Kartografii) functions under the Ministry of Internal Affairs (MVD). Subordinate organizations -- Cartographic Plants (Kartograficheskiye Fabriki) and Aerial Geodetic Establishments (Aerogeodezicheskoye Predpriyatiye) -- are responsible for the preparation of topographic maps.

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2. The Military Topographic Administration (Voyenno-topograficheskoye Upravleniye - VTU) functions under the 7th Department of the General Staff. The Military Topographic Service (Voyenno-topograficheskaya Sluzhba - VTS) is a basic subdivision of the VTU, and is directly responsible for geodetic and topographic map production in areas assigned to the military.

Distribution:

0&3 -- Chief, St/I(at meeting on 11 June 1958)

2 -- Ch/G

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